CISC 4335 [55] Parallel and Distributed Computing
3 hours; 3 credits


Textbooks:

1. Introduction to CUDA Programming, Volume I, CUDA Technical Training, Nvidia Corp., 2008


Syllabus:

Week 1 - Introduce ideas of grand challenge problems, parallel computing and GPU architecture. Start reading 2.

Week 2 - Review of thread programming in C, C++ and Java, Handouts


Week 4 - Initial Cuda constructs in C programs, discussed the incrementArray.cu program described in CUDA, Supercomputing for the Masses: Part 2, Ron Farber, April, 2008, http://www.drdobbs.com/cpp/207402986 -


Weeks 12 - 14, Each student in the class discussed the code that they were converting to use the Nvidea Tesla Gpus at the HPC center at CSI.